

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052516\
 Data File : BF087376.D
 Acq On : 25 May 2016 17:18
 Operator : UM/SJ
 Sample : H3218-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E-4(12.5-13)

Quant Time: May 25 22:29:41 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 16:26:52 2016
 Response via : Initial Calibration

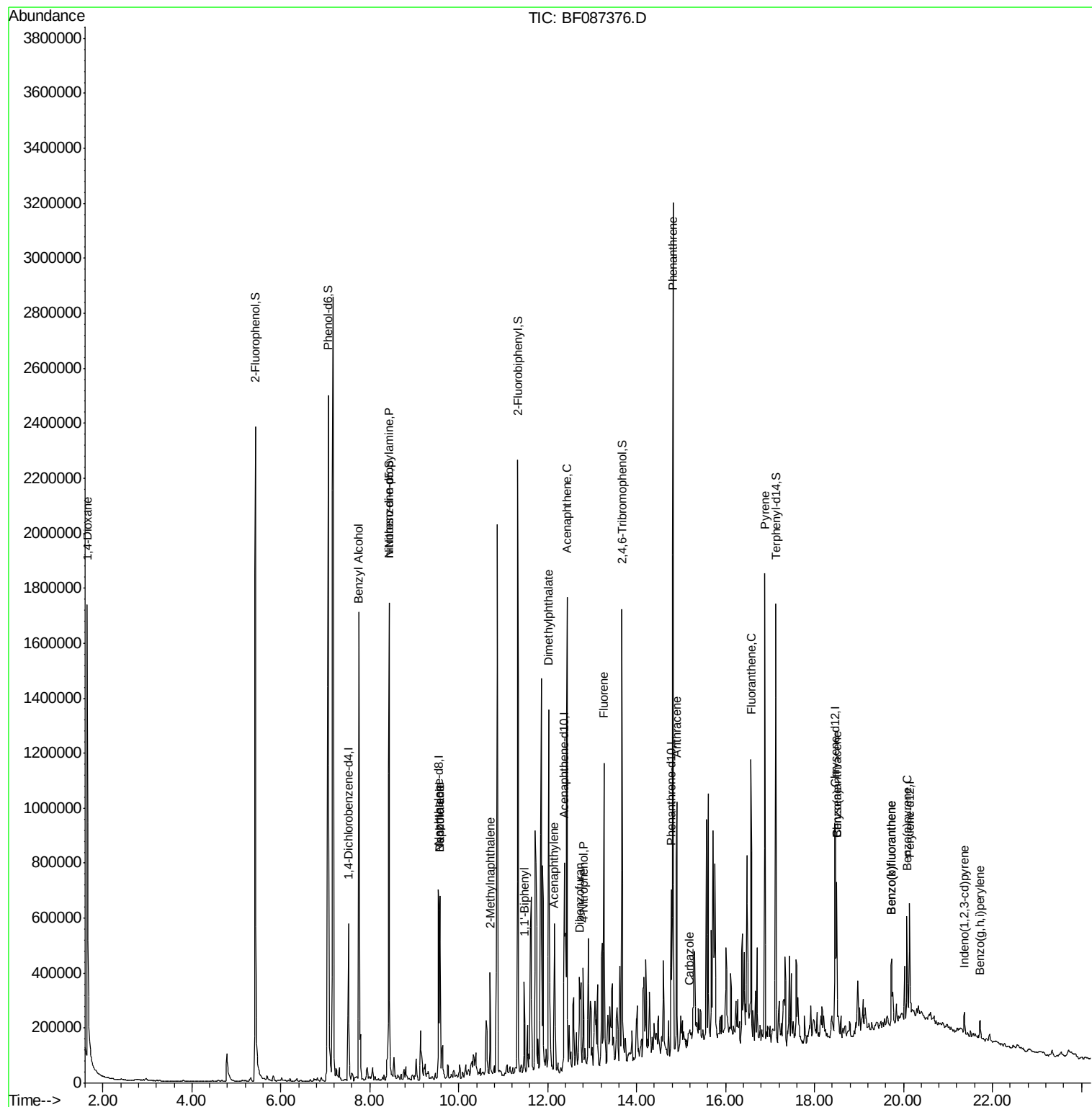
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	109135	20.00	ng	0.00
21) Naphthalene-d8	9.54	136	429308	20.00	ng	-0.01
38) Acenaphthene-d10	12.38	164	188242	20.00	ng	-0.01
63) Phenanthrene-d10	14.78	188	289929	20.00	ng	0.00
75) Chrysene-d12	18.47	240	225141	20.00	ng	-0.01
86) Perylene-d12	20.14	264	186202	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	949536	152.88	ng	0.01
7) Phenol-d6	7.06	99	1204659	143.54	ng	-0.01
23) Nitrobenzene-d5	8.43	82	750698	88.13	ng	-0.01
41) 2,4,6-Tribromophenol	13.67	330	215326	119.03	ng	-0.01
44) 2-Fluorobiphenyl	11.32	172	949942	71.14	ng	-0.01
78) Terphenyl-d14	17.13	244	659726	62.30	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	1.64	88	57984	17.69	ng	# 22
15) Benzyl Alcohol	7.75	79	13423	2.19	ng	# 44
19) n-Nitroso-di-n-propylamine	8.43	70	107415	17.16	ng	# 75
31) Naphthalene	9.58	128	430735	20.02	ng	99
32) Benzoic acid	9.58	122	898	6.06	ng	# 1
37) 2-Methylnaphthalene	10.71	142	111373	8.29	ng	97
45) 1,1'-Biphenyl	11.47	154	135843	8.57	ng	98
48) Acenaphthylene	12.15	152	114817	5.98	ng	# 90
49) Dimethylphthalate	12.02	163	419326	27.81	ng	100
51) Acenaphthene	12.43	154	527725	44.73	ng	97
54) Dibenzofuran	12.72	168	86394	5.41	ng	93
55) 4-Nitrophenol	12.80	139	6645	4.47	ng	# 49
57) Fluorene	13.27	166	353706	25.53	ng	99
70) Phenanthrene	14.82	178	1663656	103.59	ng	99
71) Anthracene	14.90	178	517382	31.89	ng	99
72) Carbazole	15.19	167	30825	2.23	ng	# 90
74) Fluoranthene	16.57	202	567699	35.25	ng	98
77) Pyrene	16.88	202	801248	49.44	ng	99
80) Benzo(a)anthracene	18.50	228	213525	16.67	ng	96
82) Chrysene	18.50	228	213525	16.80	ng	98
85) Indeno(1,2,3-cd)pyrene	21.37	276	52107	5.11	ng	# 90
87) Benzo(b)fluoranthene	19.74	252	201066	16.95	ng	97
88) Benzo(k)fluoranthene	19.74	252	201066	19.69	ng	98
89) Benzo(a)pyrene	20.08	252	157777	15.38	ng	98
91) Benzo(g,h,i)perylene	21.73	276	54797	6.35	ng	93

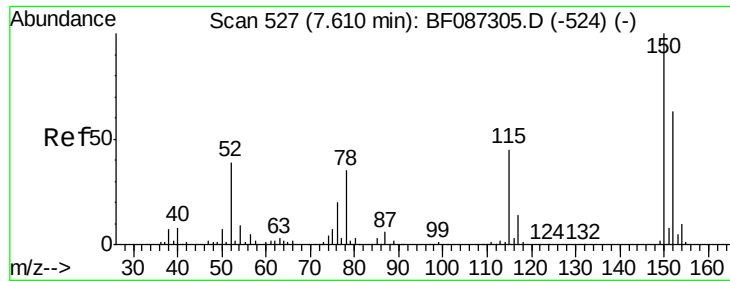
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.52 min Scan# 519

Delta R.T. 0.00 min

Lab File: BF087376.D

Acq: 25 May 2016 17:18

Instrument :

BNA_F

ClientSampleId :

E-4(12.5-13)

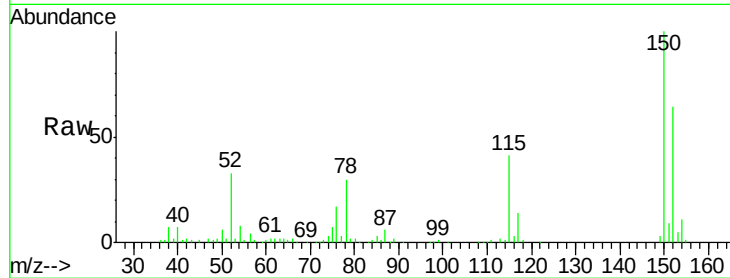
Tgt Ion:152 Resp: 109135

Ion Ratio Lower Upper

152 100

150 156.9 125.8 188.6

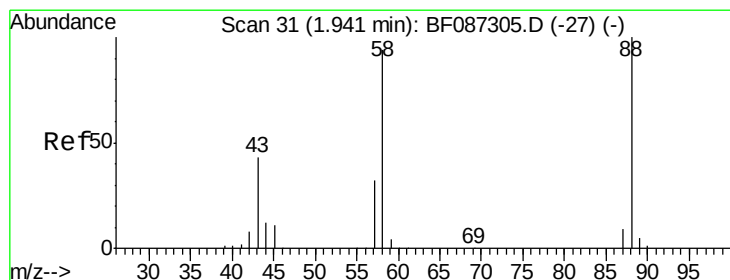
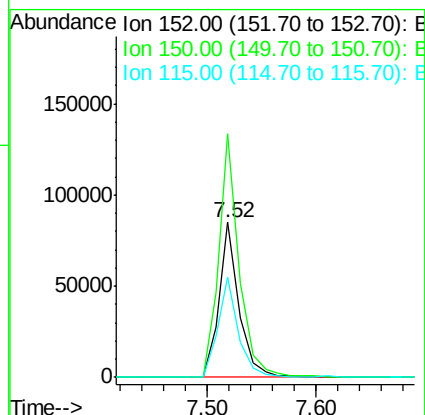
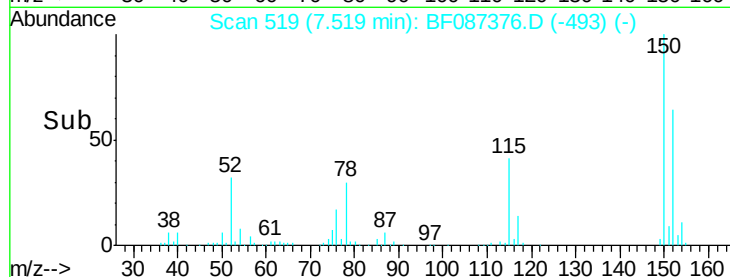
115 65.0 51.5 77.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 17.69 ng

RT: 1.64 min Scan# 5

Delta R.T. -0.17 min

Lab File: BF087376.D

Acq: 25 May 2016 17:18

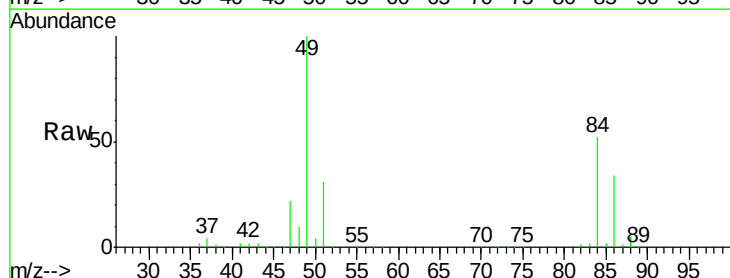
Tgt Ion: 88 Resp: 57984

Ion Ratio Lower Upper

88 100

58 0.0 59.6 89.4#

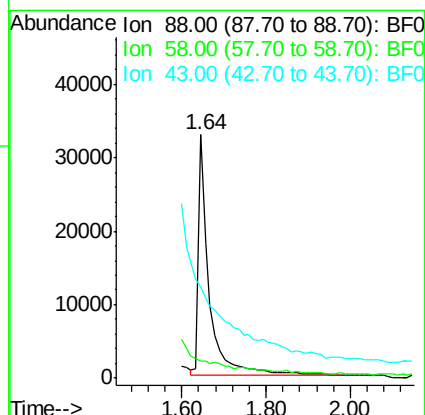
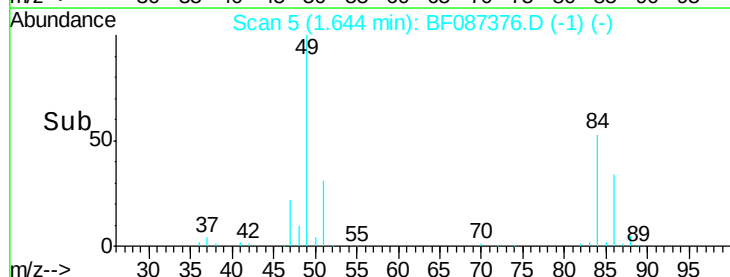
43 0.0 21.8 32.6#

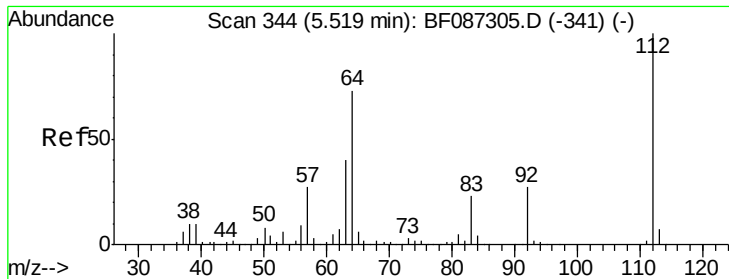


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 152.88 ng

RT: 5.43 min Scan# 336

Delta R.T. 0.01 min

Lab File: BF087376.D

Acq: 25 May 2016 17:18

Instrument :

BNA_F

ClientSampleId :

E-4(12.5-13)

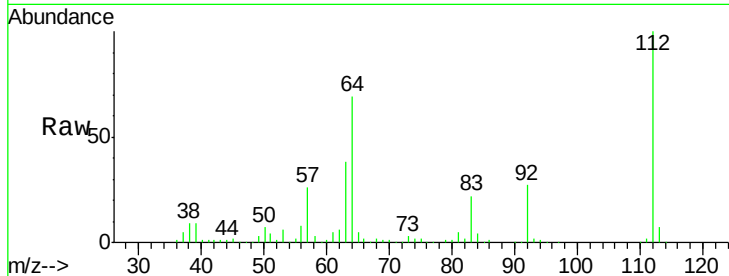
Tgt Ion: 112 Resp: 949536

Ion Ratio Lower Upper

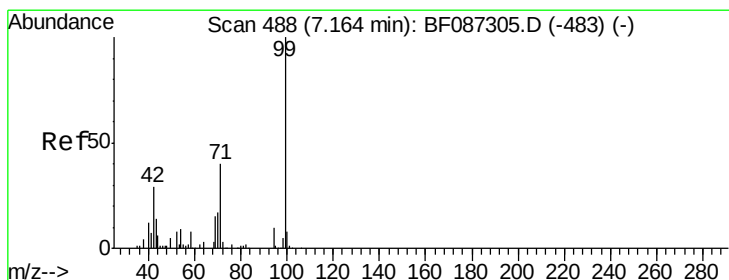
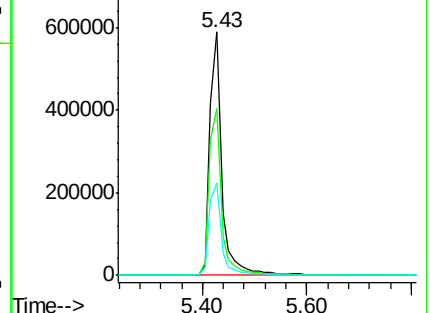
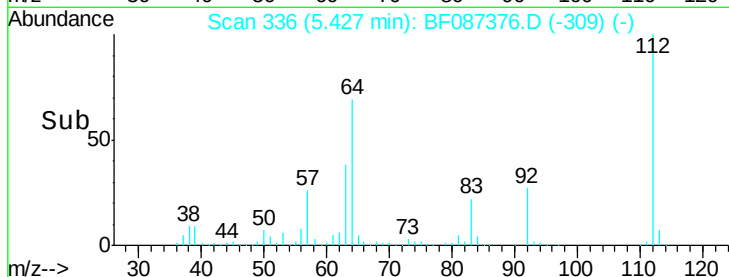
112 100

64 68.7 52.1 78.1

63 37.9 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): BF087376.D (-309) (-)



#7

Phenol-d6

Concen: 143.54 ng

RT: 7.06 min Scan# 479

Delta R.T. -0.01 min

Lab File: BF087376.D

Acq: 25 May 2016 17:18

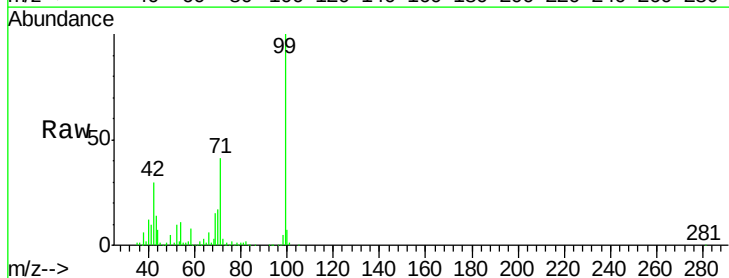
Tgt Ion: 99 Resp: 1204659

Ion Ratio Lower Upper

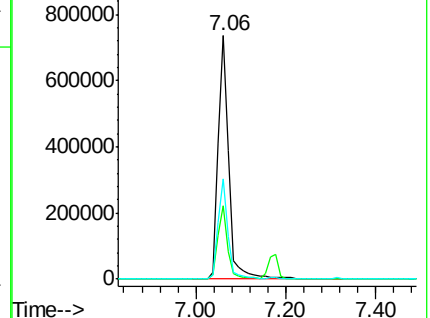
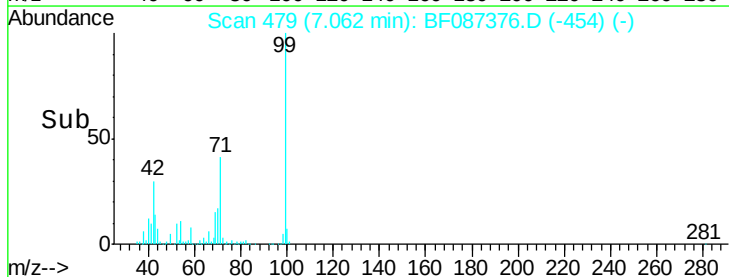
99 100

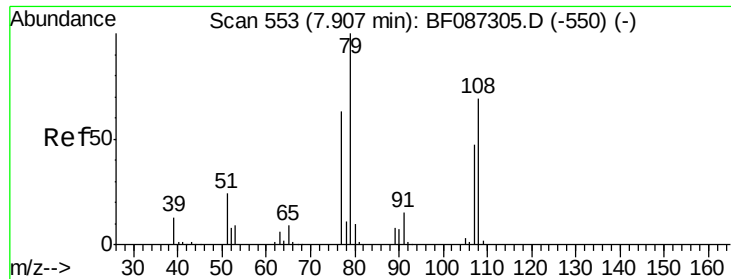
42 30.2 13.6 20.4#

71 41.4 24.6 36.8#



Abundance Ion 99.00 (98.70 to 99.70): BF087376.D (-454) (-)





#15

Benzyl Alcohol

Concen: 2.19 ng

RT: 7.75 min Scan# 539

Delta R.T. -0.07 min

Lab File: BF087376.D

Acq: 25 May 2016 17:18

Instrument :

BNA_F

ClientSampleId :

E-4(12.5-13)

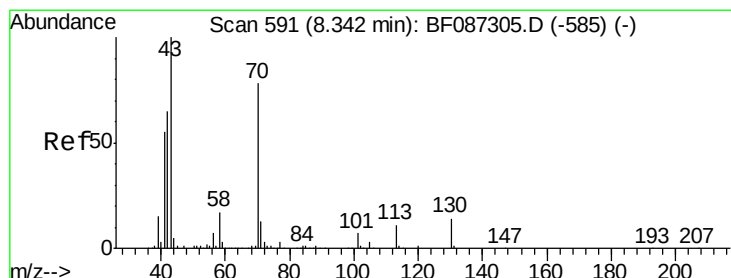
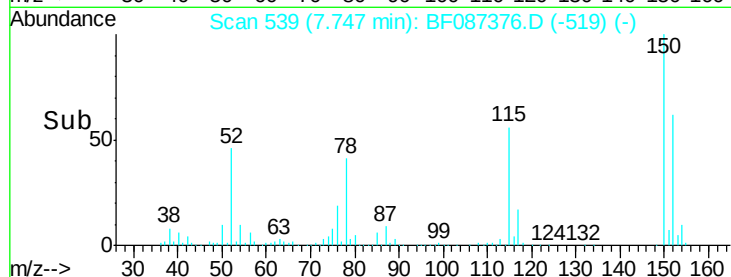
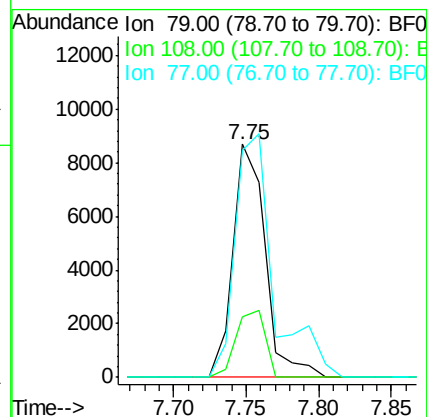
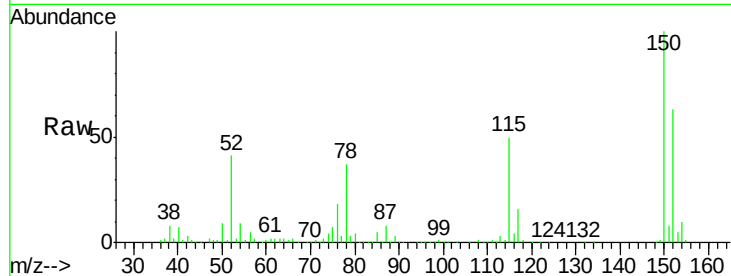
Tgt Ion: 79 Resp: 13423

Ion Ratio Lower Upper

79 100

108 26.0 68.4 102.6#

77 97.3 50.6 76.0#



#19

n-Nitroso-di-n-propylamine

Concen: 17.16 ng

RT: 8.43 min Scan# 599

Delta R.T. 0.18 min

Lab File: BF087376.D

Acq: 25 May 2016 17:18

Tgt Ion: 70 Resp: 107415

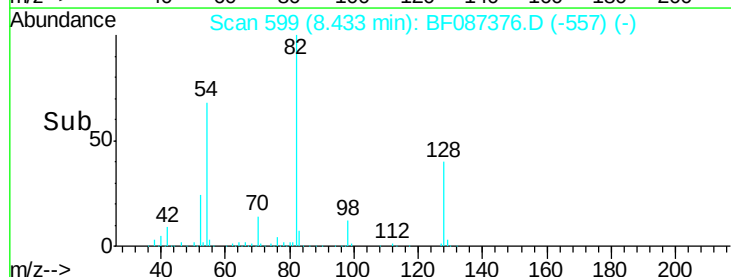
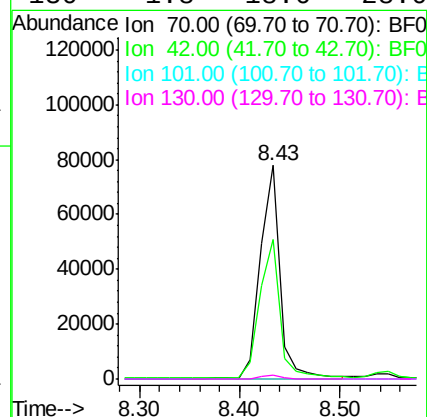
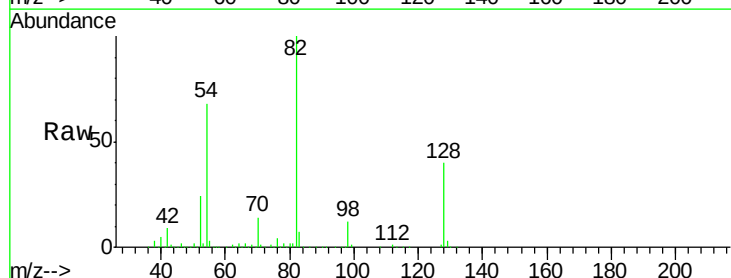
Ion Ratio Lower Upper

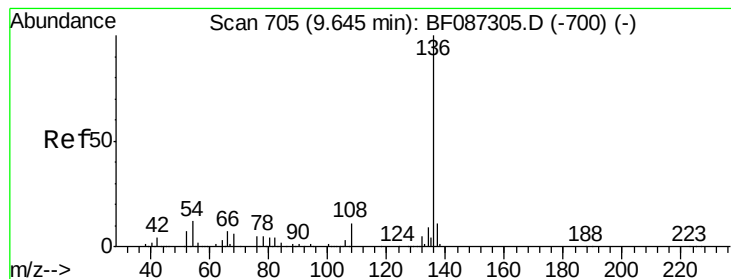
70 100

42 65.3 43.1 64.7#

101 0.0 8.1 12.1#

130 1.8 18.6 28.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.54 min Scan# 696

Delta R.T. -0.01 min

Lab File: BF087376.D

Acq: 25 May 2016 17:18

Instrument :

BNA_F

ClientSampleId :

E-4(12.5-13)

Tgt Ion:136 Resp: 429308

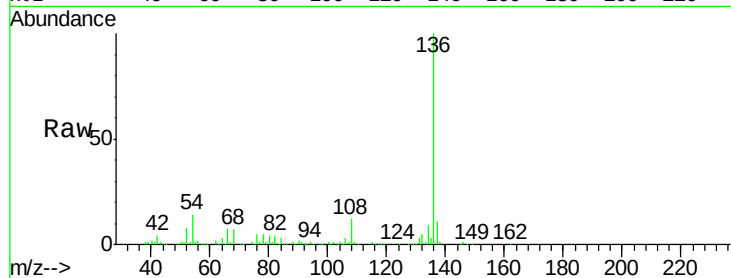
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 13.6 5.0 7.4#

68 6.6 4.4 6.6

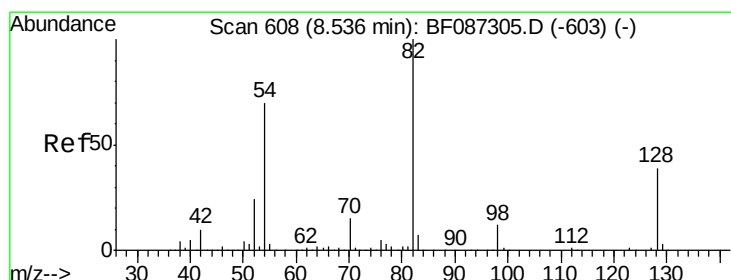
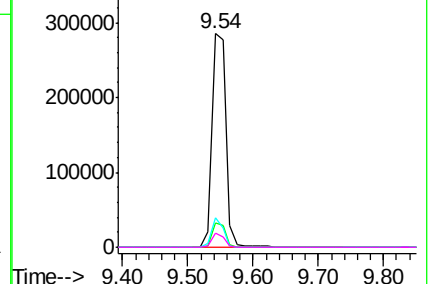
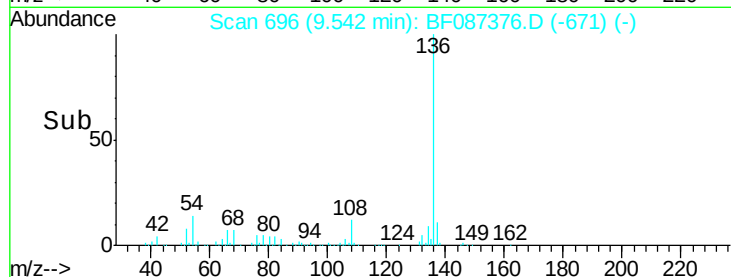


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 88.13 ng

RT: 8.43 min Scan# 599

Delta R.T. -0.01 min

Lab File: BF087376.D

Acq: 25 May 2016 17:18

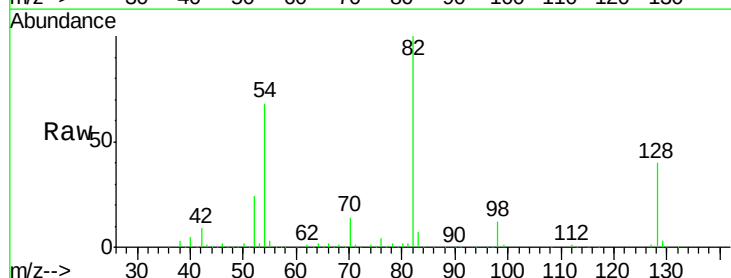
Tgt Ion: 82 Resp: 750698

Ion Ratio Lower Upper

82 100

128 40.0 40.6 61.0#

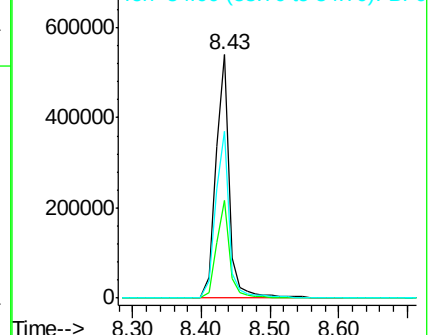
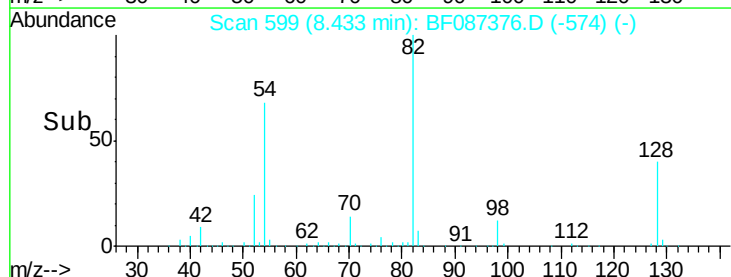
54 68.3 38.1 57.1#

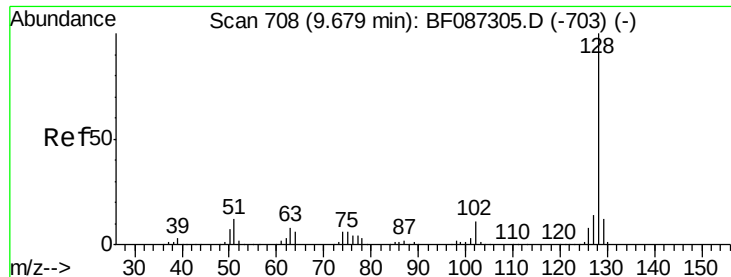


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

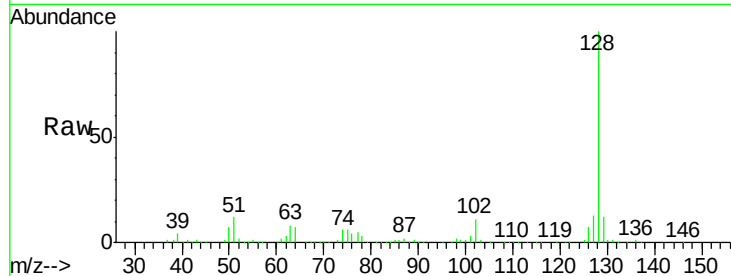




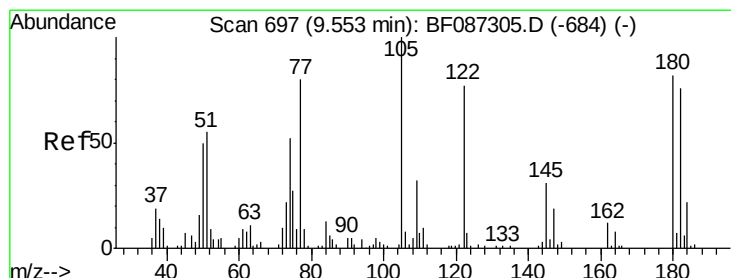
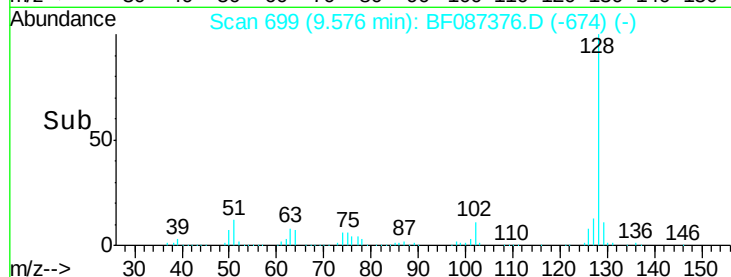
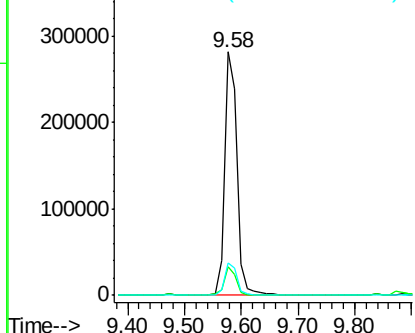
#31
Naphthalene
Concen: 20.02 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.01 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

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E-4(12.5-13)

Tgt Ion:128 Resp: 430735
Ion Ratio Lower Upper
128 100
129 11.6 8.6 13.0
127 13.1 10.8 16.2

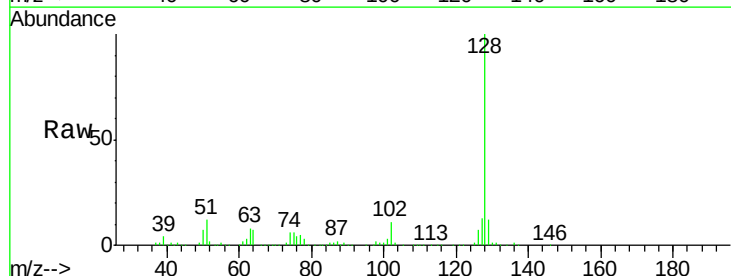


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

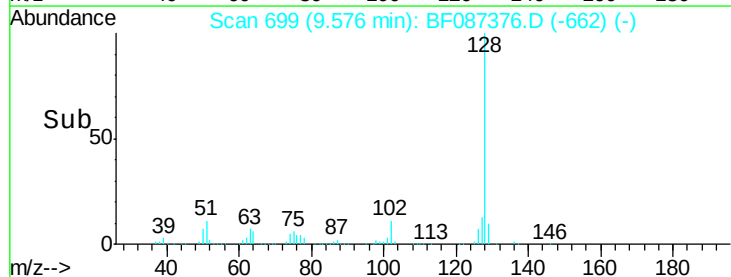
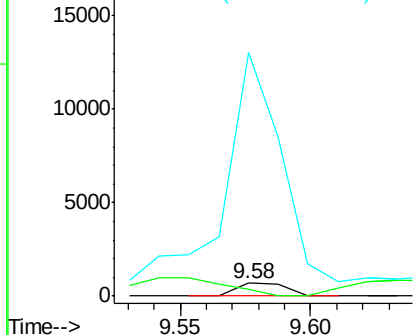


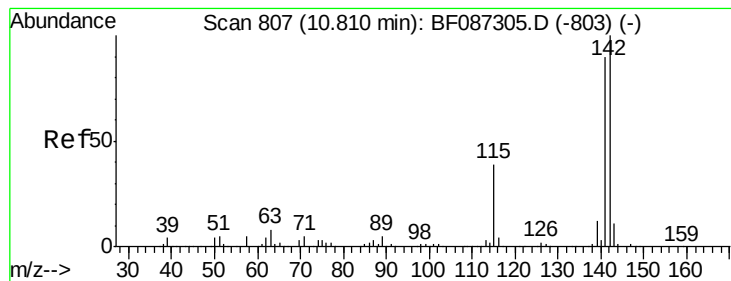
#32
Benzoic acid
Concen: 6.06 ng
RT: 9.58 min Scan# 699
Delta R.T. 0.13 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Tgt Ion:122 Resp: 898
Ion Ratio Lower Upper
122 100
105 54.8 92.6 132.6#
77 1912.9 60.0 100.0#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





#37

2-Methylnaphthalene

Concen: 8.29 ng

RT: 10.71 min Scan# 798

Delta R.T. -0.01 min

Lab File: BF087376.D

Acq: 25 May 2016 17:18

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E-4(12.5-13)

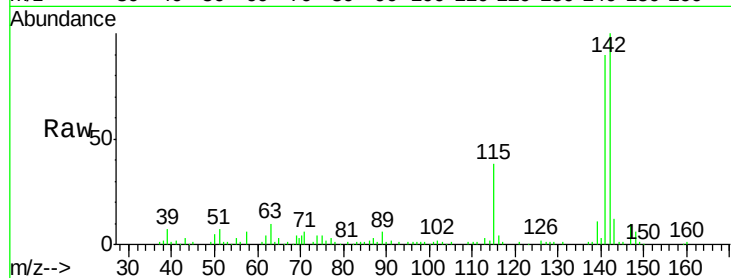
Tgt Ion:142 Resp: 111373

Ion Ratio Lower Upper

142 100

141 89.6 71.0 106.6

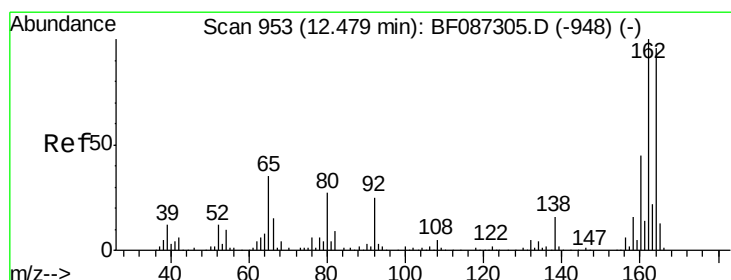
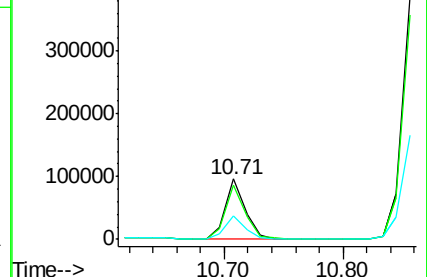
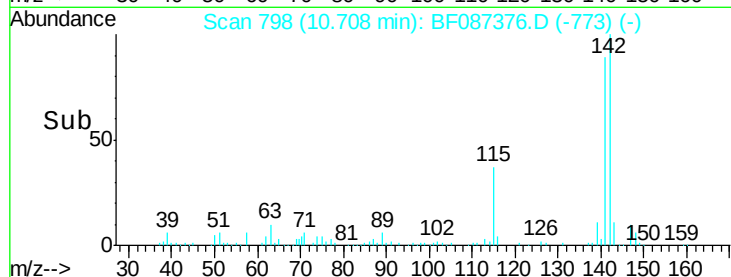
115 38.4 26.6 39.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.38 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF087376.D

Acq: 25 May 2016 17:18

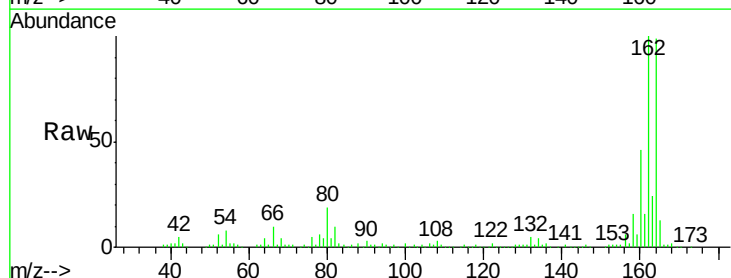
Tgt Ion:164 Resp: 188242

Ion Ratio Lower Upper

164 100

162 101.4 82.8 124.2

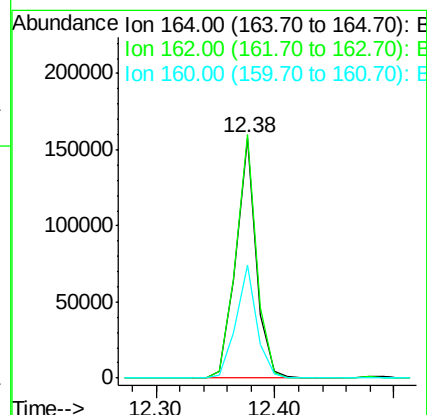
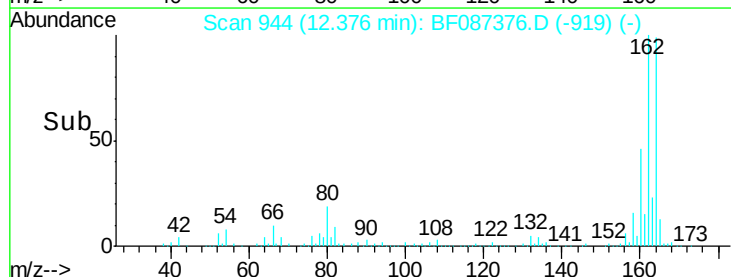
160 46.9 36.9 55.3

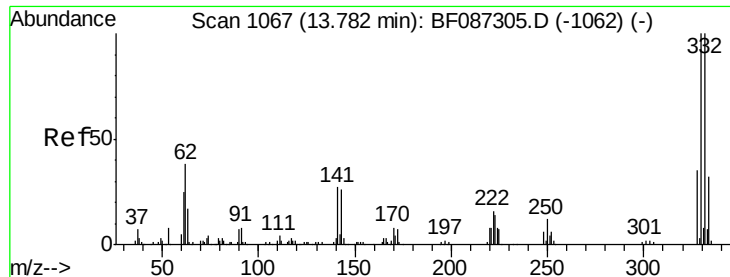


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 119.03 ng

RT: 13.67 min Scan# 1057

Delta R.T. -0.01 min

Lab File: BF087376.D

Acq: 25 May 2016 17:18

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ClientSampleId :

E-4(12.5-13)

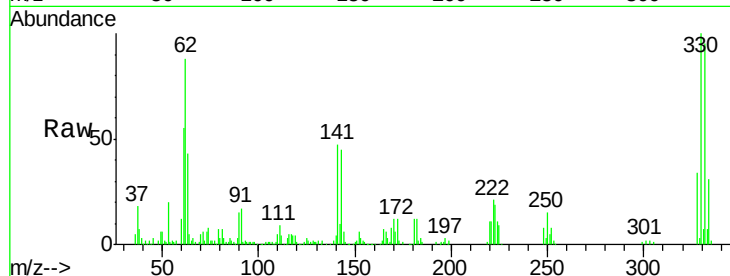
Tgt Ion:330 Resp: 215326

Ion Ratio Lower Upper

330 100

332 96.3 79.0 118.4

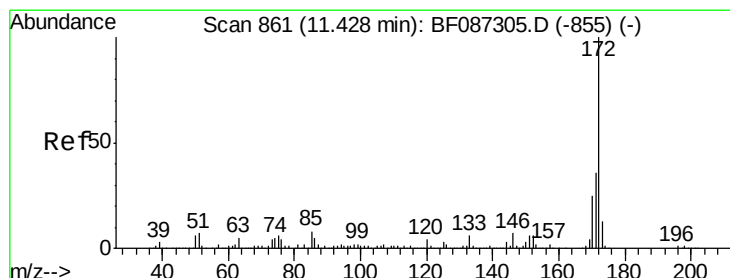
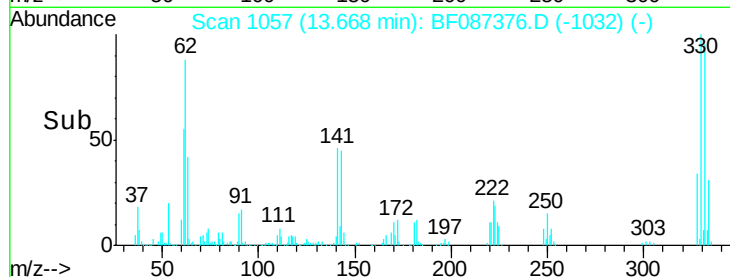
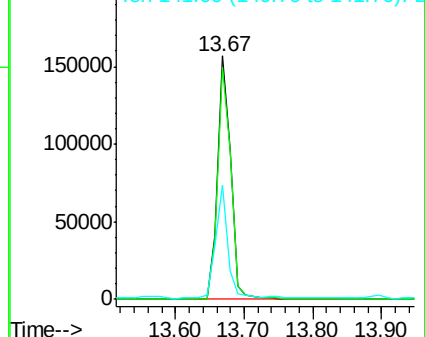
141 42.4 31.2 46.8



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 71.14 ng

RT: 11.32 min Scan# 852

Delta R.T. -0.01 min

Lab File: BF087376.D

Acq: 25 May 2016 17:18

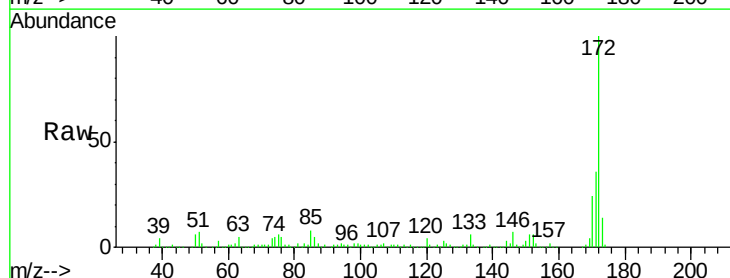
Tgt Ion:172 Resp: 949942

Ion Ratio Lower Upper

172 100

171 36.3 29.0 43.6

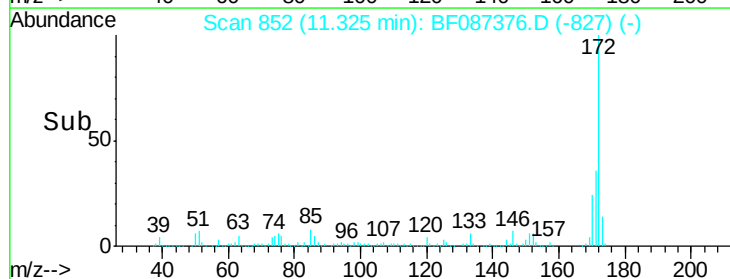
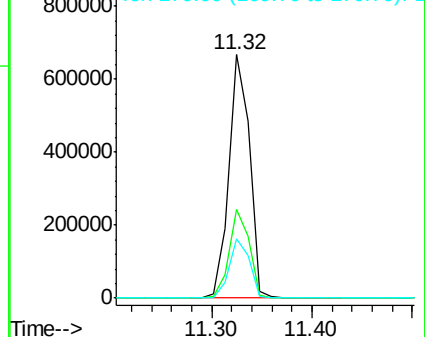
170 24.3 19.8 29.8

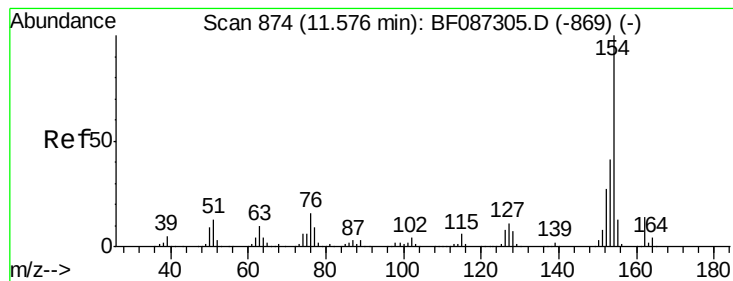


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 8.57 ng

RT: 11.47 min Scan# 865

Delta R.T. -0.01 min

Lab File: BF087376.D

Acq: 25 May 2016 17:18

Instrument :

BNA_F

ClientSampleId :

E-4(12.5-13)

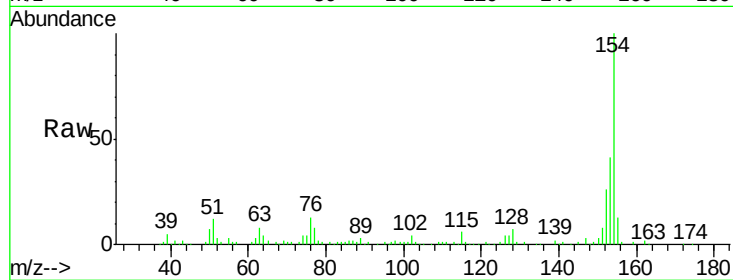
Tgt Ion:154 Resp: 135843

Ion Ratio Lower Upper

154 100

153 40.9 20.3 60.3

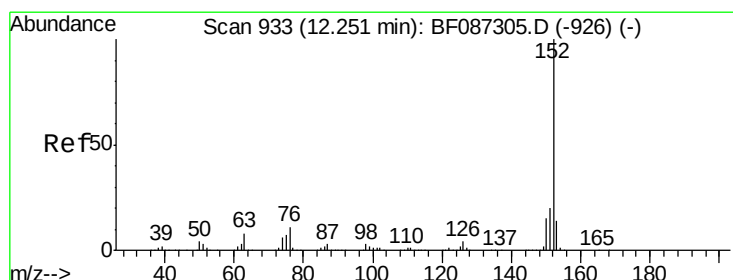
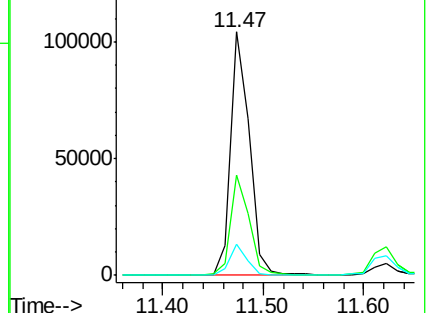
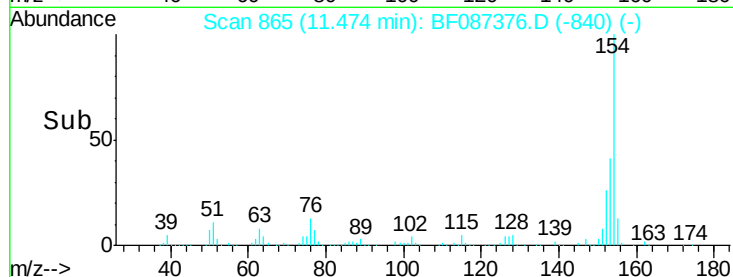
76 12.9 0.0 30.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#48

Acenaphthylene

Concen: 5.98 ng

RT: 12.15 min Scan# 924

Delta R.T. -0.01 min

Lab File: BF087376.D

Acq: 25 May 2016 17:18

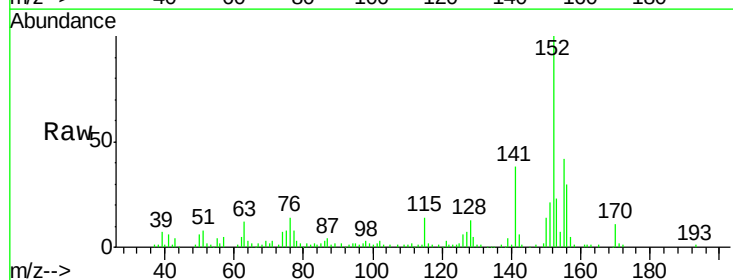
Tgt Ion:152 Resp: 114817

Ion Ratio Lower Upper

152 100

151 20.6 16.8 25.2

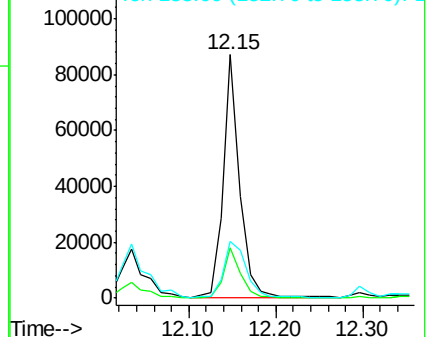
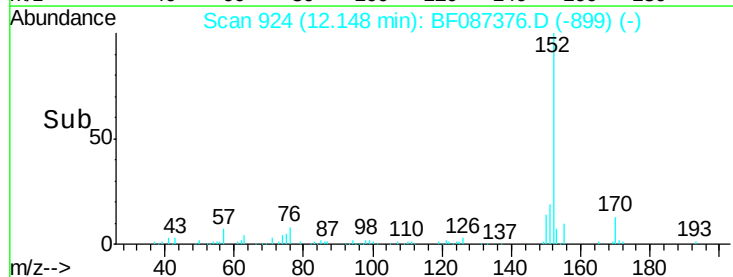
153 23.3 10.9 16.3#

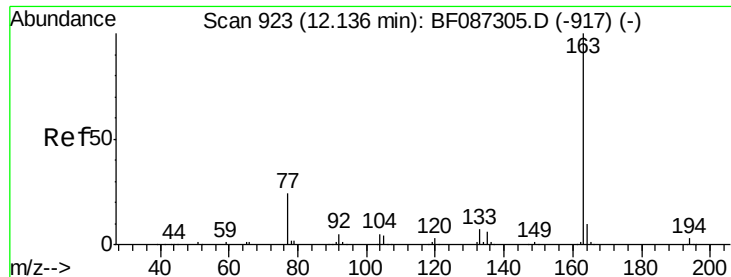


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

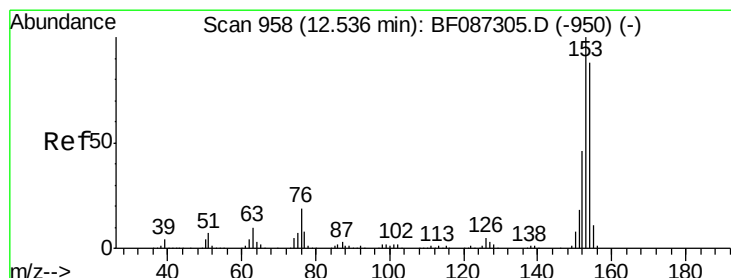
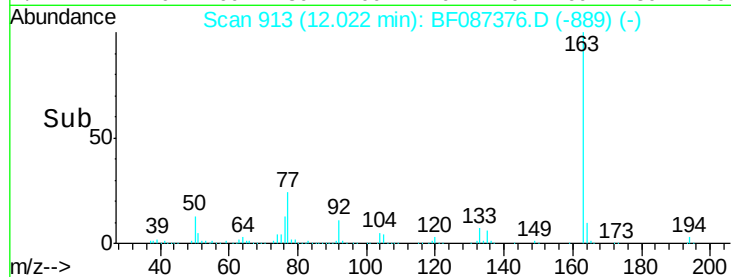
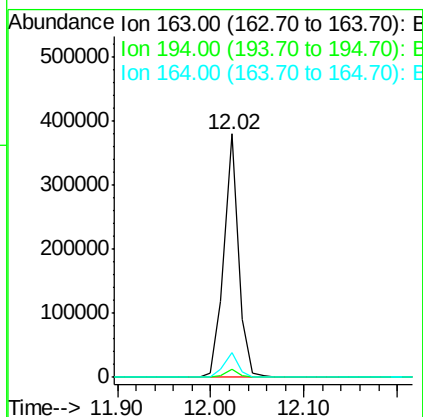
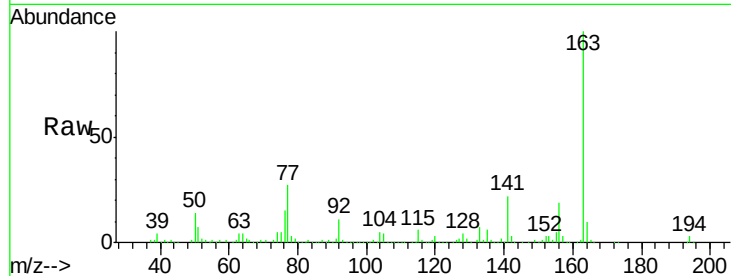




#49
Dimethylphthalate
Concen: 27.81 ng
RT: 12.02 min Scan# 913
Delta R.T. -0.02 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

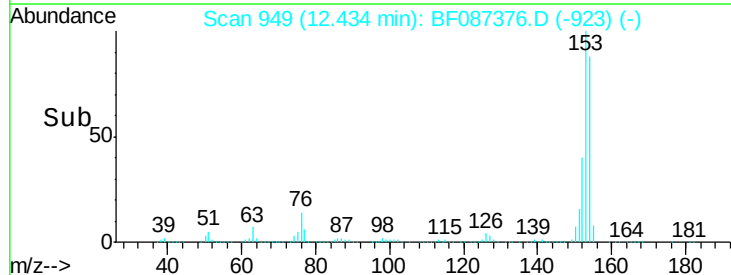
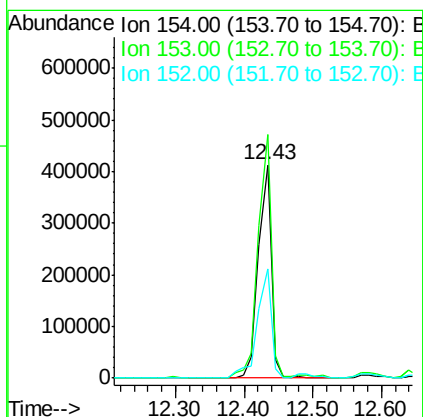
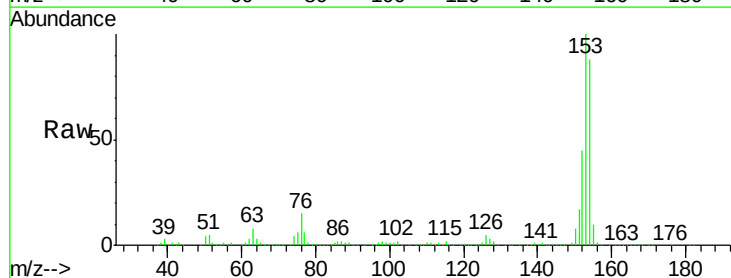
Instrument :
BNA_F
ClientSampleId :
E-4(12.5-13)

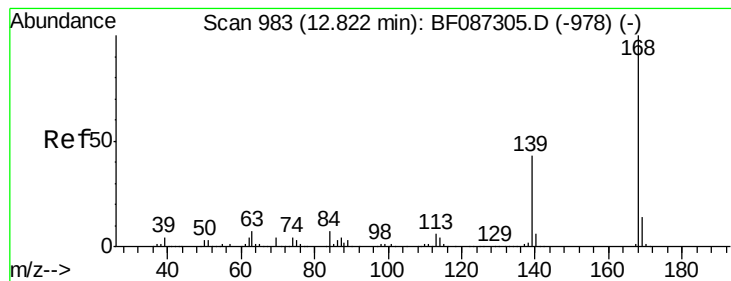
Tgt Ion:163 Resp: 419326
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 10.2 8.2 12.4



#51
Acenaphthene
Concen: 44.73 ng
RT: 12.43 min Scan# 949
Delta R.T. 0.00 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Tgt Ion:154 Resp: 527725
Ion Ratio Lower Upper
154 100
153 114.3 89.8 134.6
152 51.5 43.4 65.0





#54

Dibenzofuran

Concen: 5.41 ng

RT: 12.72 min Scan# 974

Delta R.T. 0.00 min

Lab File: BF087376.D

Acq: 25 May 2016 17:18

Instrument :

BNA_F

ClientSampleId :

E-4(12.5-13)

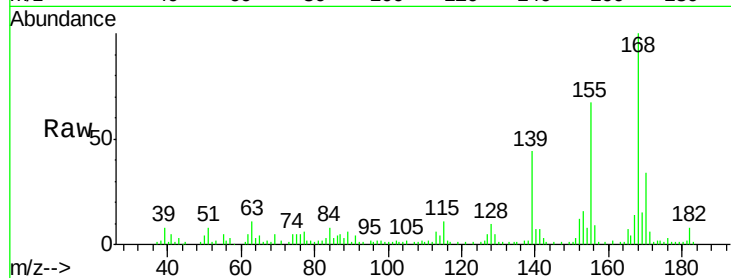
Tgt Ion:168 Resp: 86394

Ion Ratio Lower Upper

168 100

139 44.0 31.4 47.0

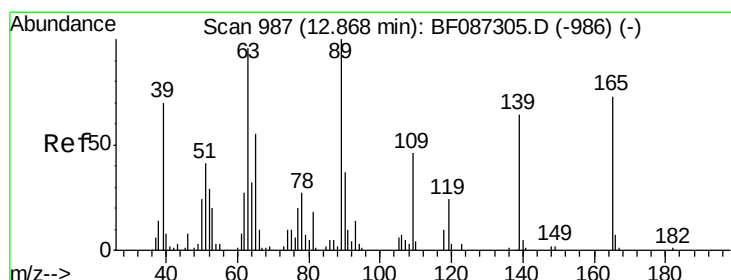
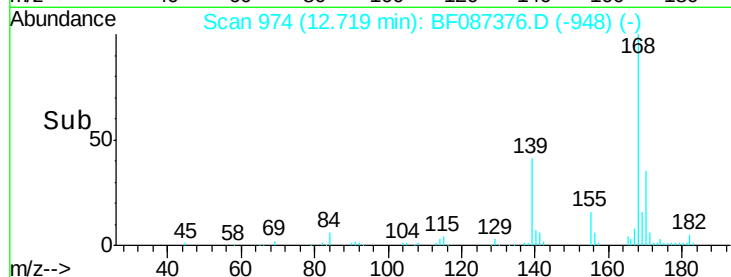
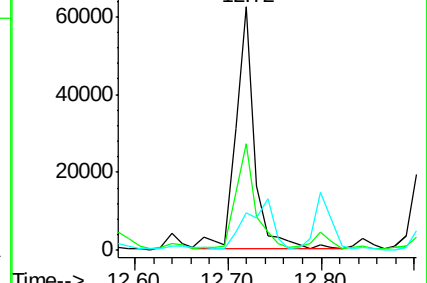
169 15.3 10.7 16.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 4.47 ng

RT: 12.80 min Scan# 981

Delta R.T. 0.02 min

Lab File: BF087376.D

Acq: 25 May 2016 17:18

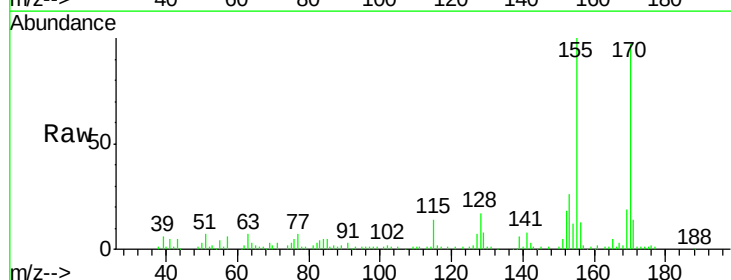
Tgt Ion:139 Resp: 6645

Ion Ratio Lower Upper

139 100

109 17.1 36.9 76.9#

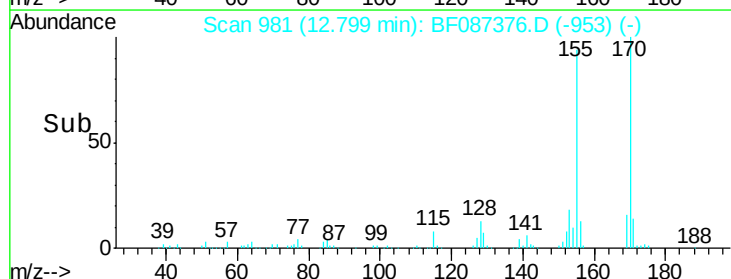
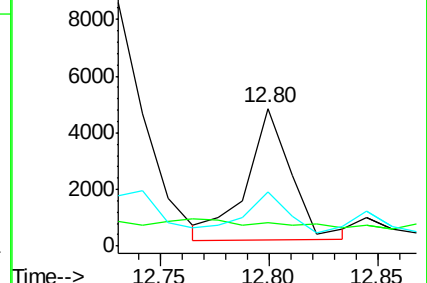
65 38.9 64.0 104.0#

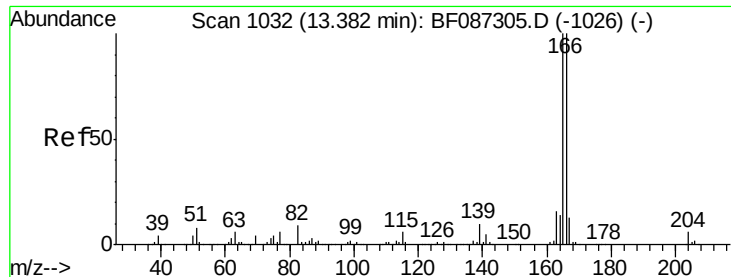


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#57

Fluorene

Concen: 25.53 ng

RT: 13.27 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF087376.D

Acq: 25 May 2016 17:18

Instrument :

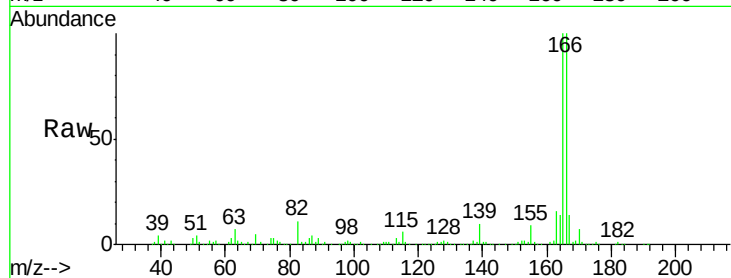
BNA_F

ClientSampleId :

E-4(12.5-13)

Tgt Ion:166 Resp: 353706

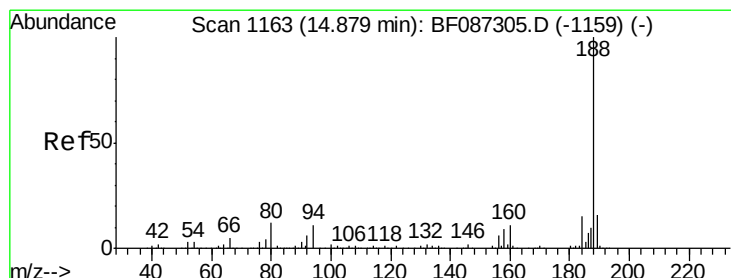
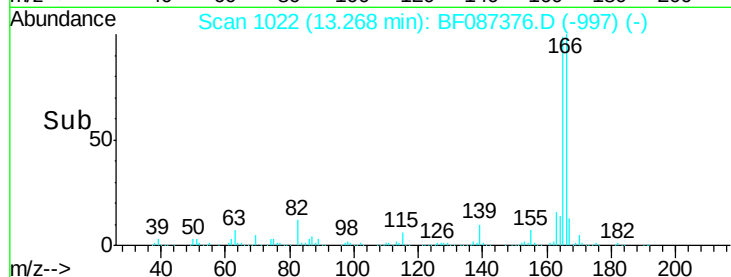
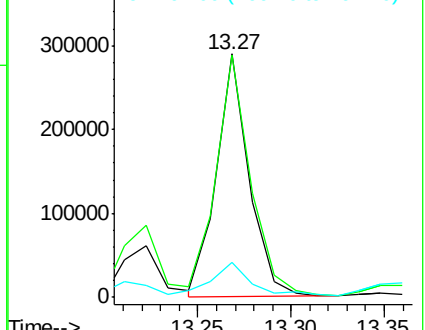
Ion	Ratio	Lower	Upper
166	100		
165	99.8	79.0	118.6
167	14.1	10.6	15.8



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.78 min Scan# 1154

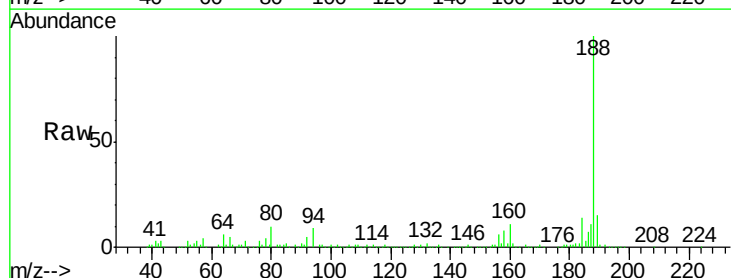
Delta R.T. 0.00 min

Lab File: BF087376.D

Acq: 25 May 2016 17:18

Tgt Ion:188 Resp: 289929

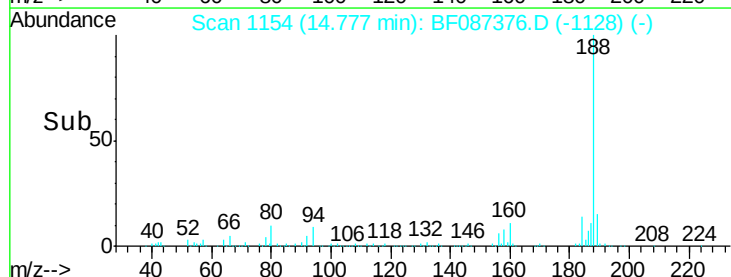
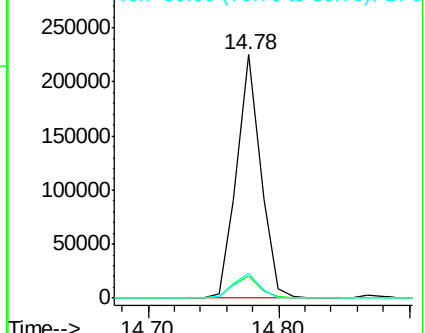
Ion	Ratio	Lower	Upper
188	100		
94	9.4	6.8	10.2
80	10.0	7.1	10.7

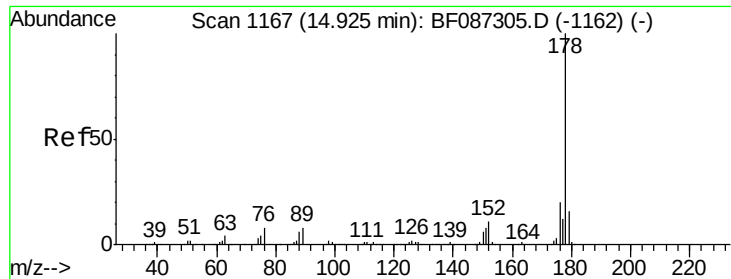


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 103.59 ng

RT: 14.82 min Scan# 1158

Delta R.T. 0.00 min

Lab File: BF087376.D

Acq: 25 May 2016 17:18

Instrument :

BNA_F

ClientSampleId :

E-4(12.5-13)

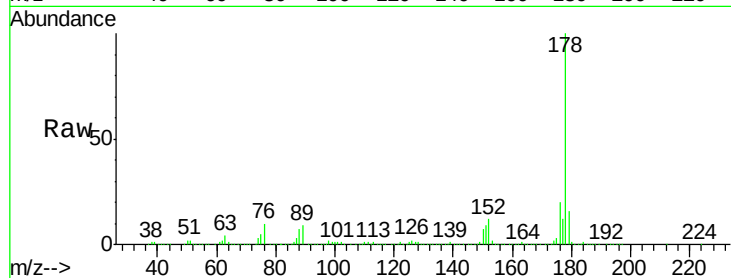
Tgt Ion:178 Resp: 1663656

Ion Ratio Lower Upper

178 100

176 20.3 16.0 24.0

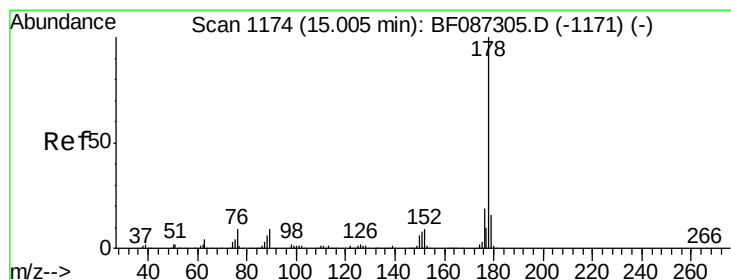
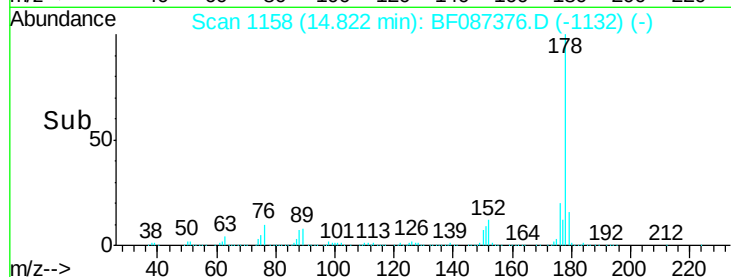
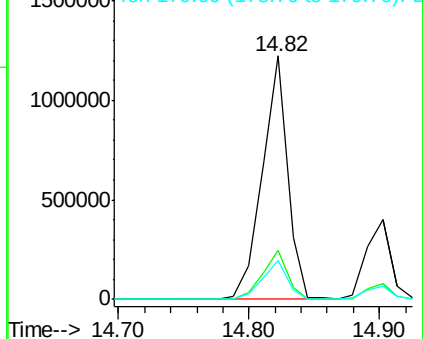
179 16.0 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 31.89 ng

RT: 14.90 min Scan# 1165

Delta R.T. 0.00 min

Lab File: BF087376.D

Acq: 25 May 2016 17:18

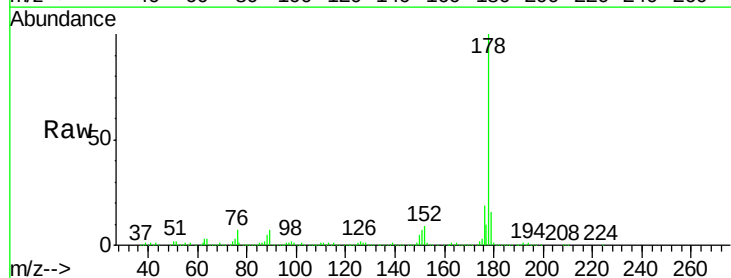
Tgt Ion:178 Resp: 517382

Ion Ratio Lower Upper

178 100

176 19.1 15.6 23.4

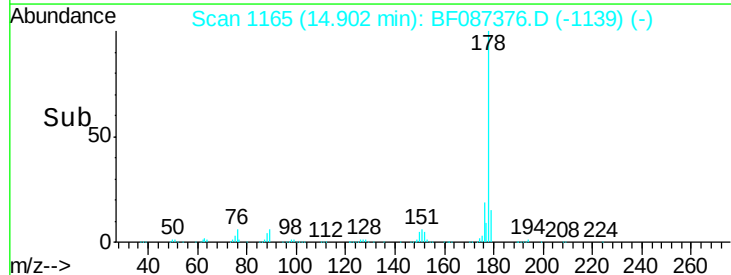
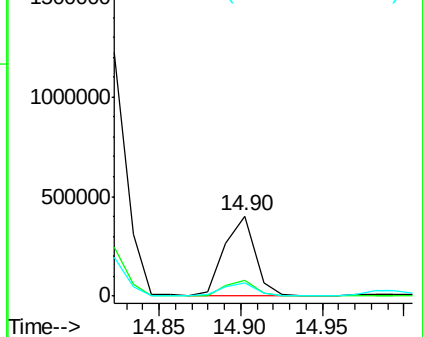
179 16.2 12.7 19.1

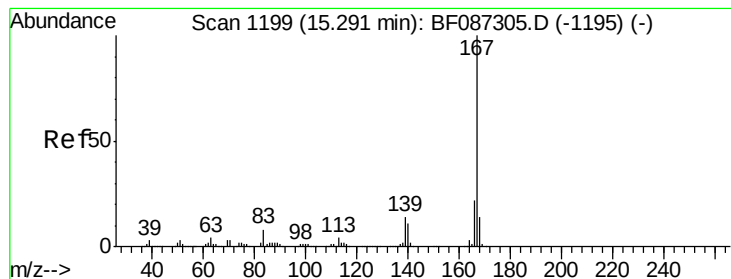


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.23 ng

RT: 15.19 min Scan# 1190

Delta R.T. 0.00 min

Lab File: BF087376.D

Acq: 25 May 2016 17:18

Instrument :

BNA_F

ClientSampleId :

E-4(12.5-13)

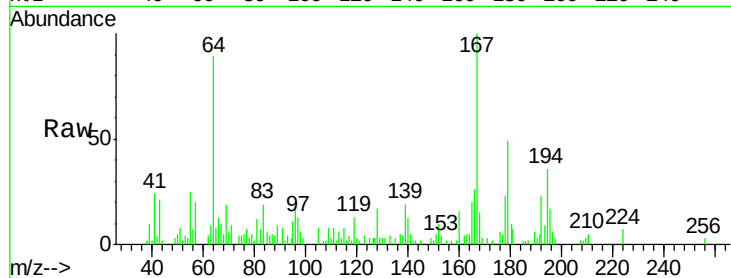
Tgt Ion:167 Resp: 30825

Ion Ratio Lower Upper

167 100

166 25.6 17.7 26.5

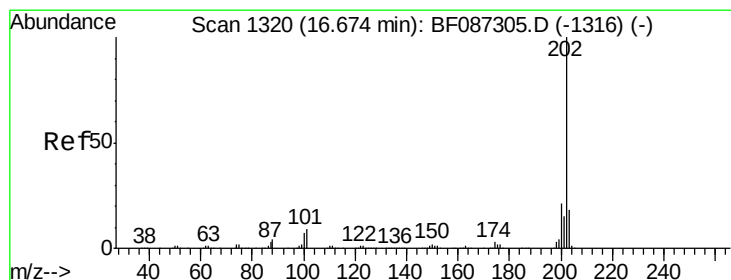
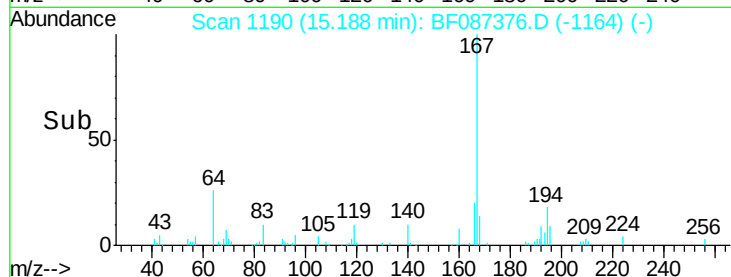
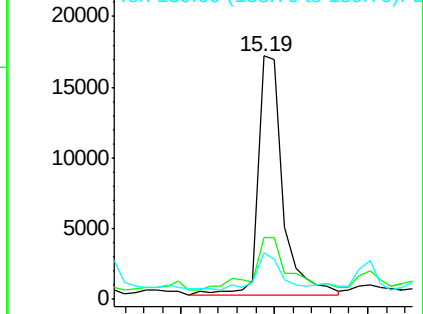
139 19.2 10.8 16.2#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 35.25 ng

RT: 16.57 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF087376.D

Acq: 25 May 2016 17:18

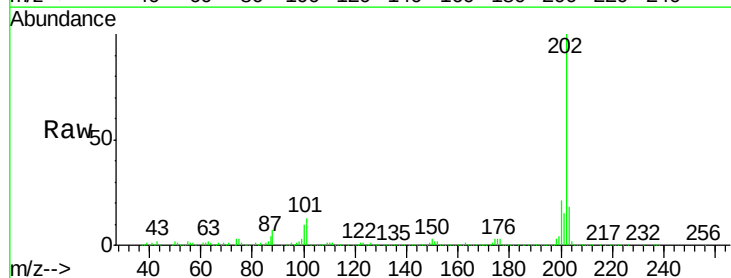
Tgt Ion:202 Resp: 567699

Ion Ratio Lower Upper

202 100

101 13.3 0.0 35.4

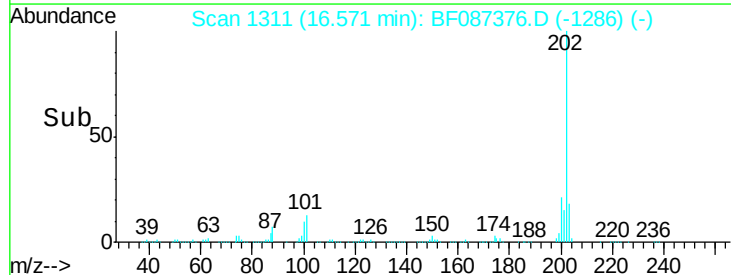
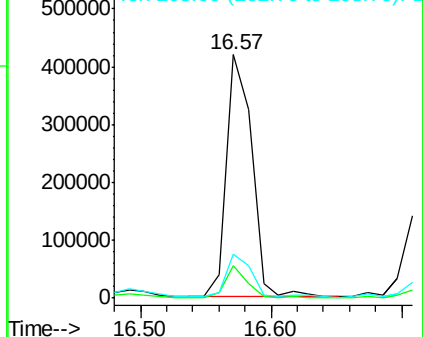
203 18.0 0.0 38.1

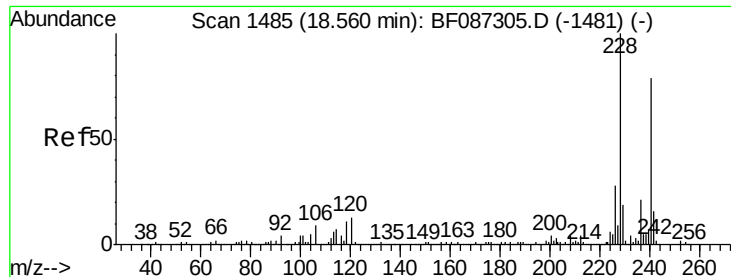


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.47 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BF087376.D

Acq: 25 May 2016 17:18

Instrument :

BNA_F

ClientSampled :

E-4(12.5-13)

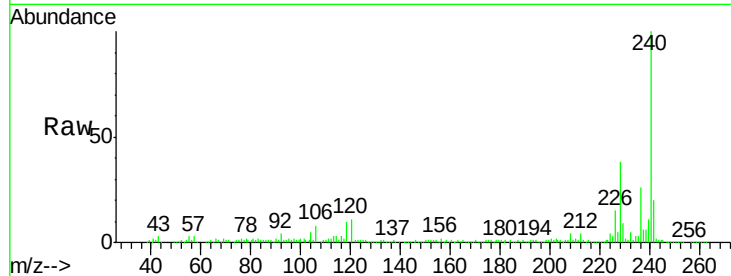
Tgt Ion:240 Resp: 225141

Ion Ratio Lower Upper

240 100

120 11.4 11.2 16.8

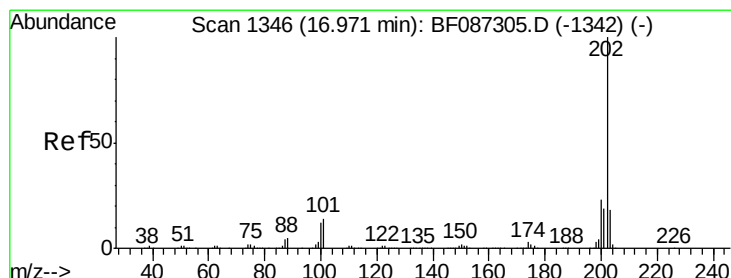
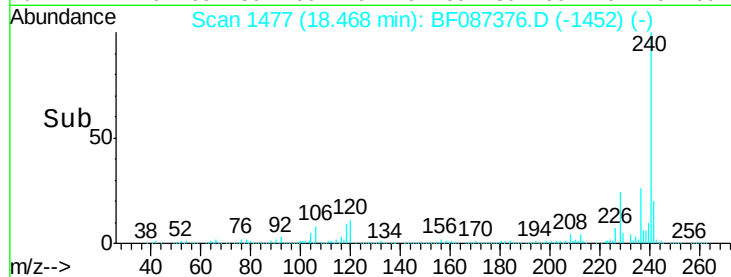
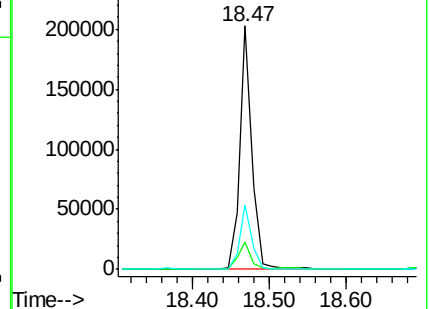
236 26.3 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 49.44 ng

RT: 16.88 min Scan# 1338

Delta R.T. 0.00 min

Lab File: BF087376.D

Acq: 25 May 2016 17:18

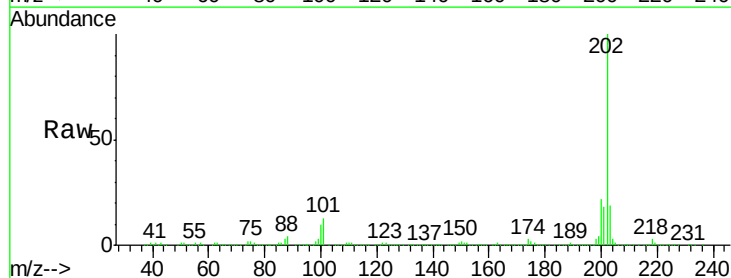
Tgt Ion:202 Resp: 801248

Ion Ratio Lower Upper

202 100

200 21.9 17.7 26.5

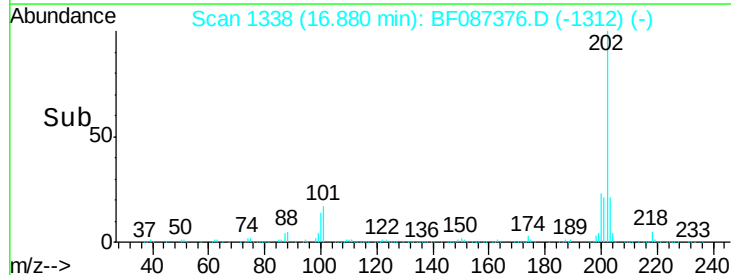
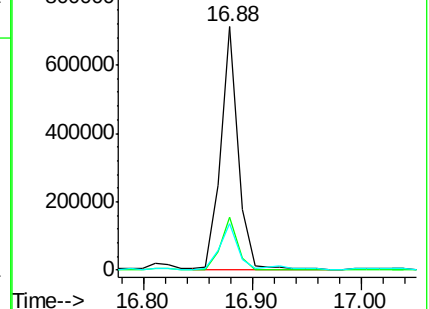
203 19.1 14.2 21.4

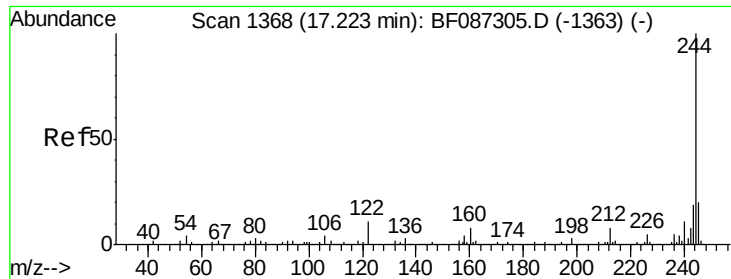


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

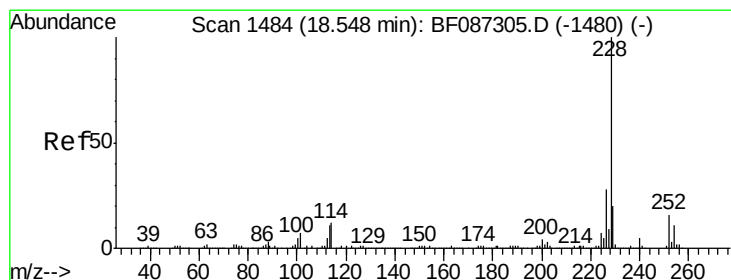
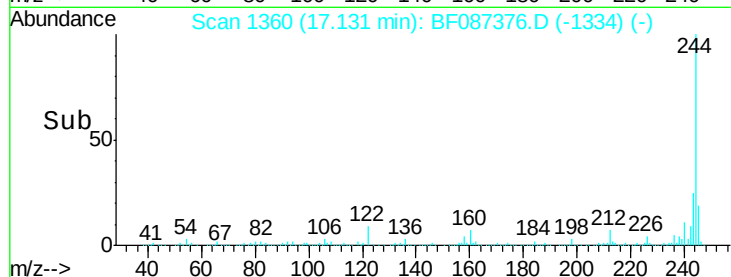
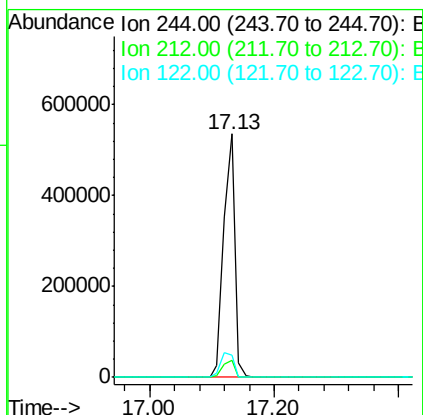
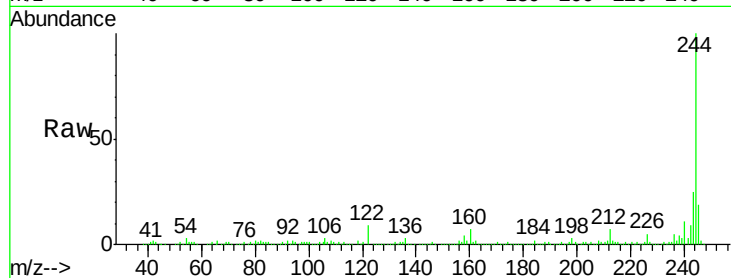




#78
 Terphenyl-d14
 Concen: 62.30 ng
 RT: 17.13 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: BF087376.D
 Acq: 25 May 2016 17:18

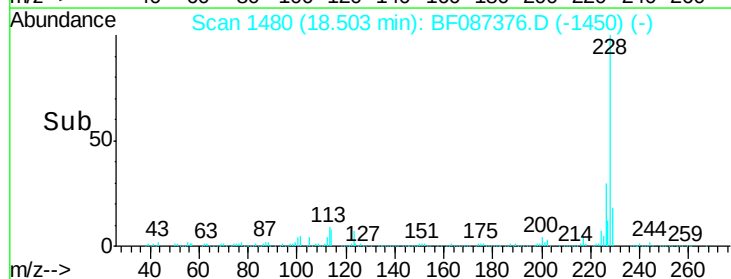
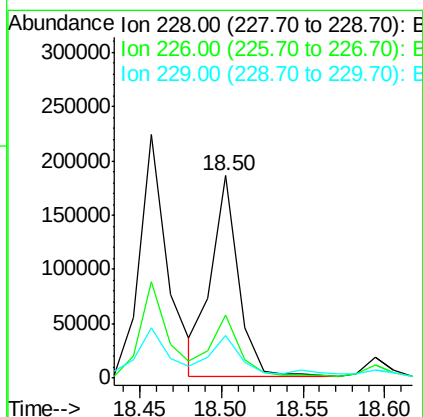
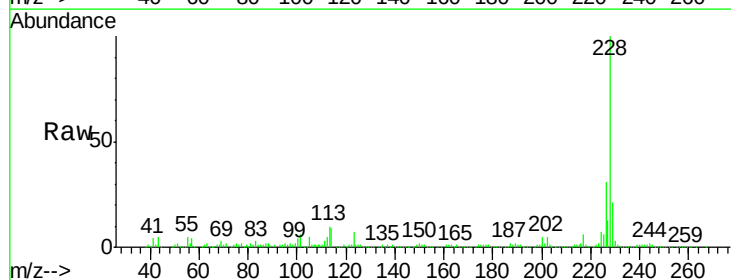
Instrument :
 BNA_F
 ClientSampleId :
 E-4(12.5-13)

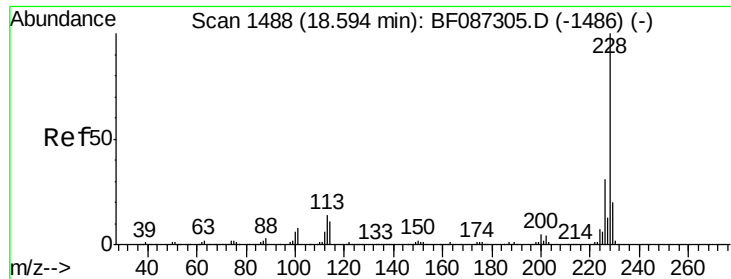
Tgt Ion:244 Resp: 659726
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.2 9.2
 122 8.9 12.0 18.0#



#80
 Benzo(a)anthracene
 Concen: 16.67 ng
 RT: 18.50 min Scan# 1480
 Delta R.T. 0.05 min
 Lab File: BF087376.D
 Acq: 25 May 2016 17:18

Tgt Ion:228 Resp: 213525
 Ion Ratio Lower Upper
 228 100
 226 31.0 22.5 33.7
 229 21.2 16.6 25.0





#82

Chrysene

Concen: 16.80 ng

RT: 18.50 min Scan# 1480

Delta R.T. -0.01 min

Lab File: BF087376.D

Acq: 25 May 2016 17:18

Instrument :

BNA_F

ClientSampleId :

E-4(12.5-13)

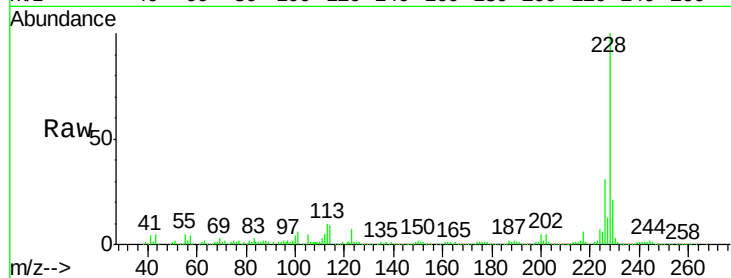
Tgt Ion:228 Resp: 213525

Ion Ratio Lower Upper

228 100

226 31.0 24.4 36.6

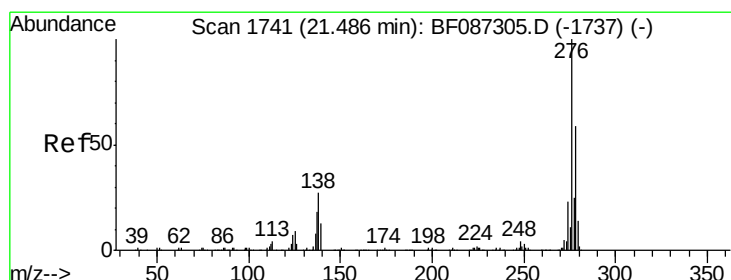
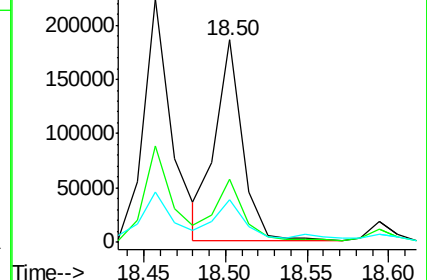
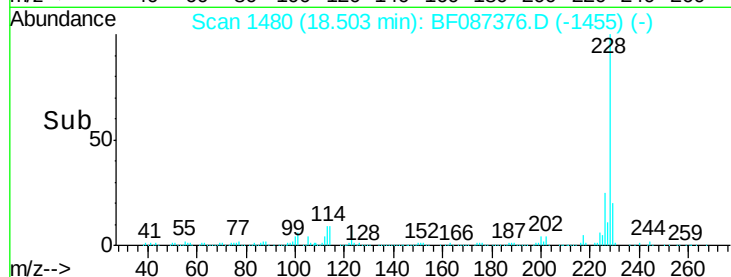
229 21.2 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.11 ng

RT: 21.37 min Scan# 1731

Delta R.T. 0.01 min

Lab File: BF087376.D

Acq: 25 May 2016 17:18

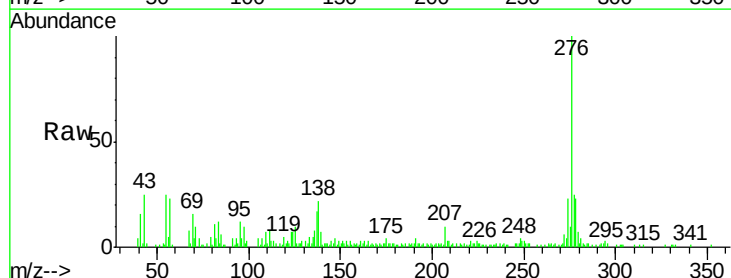
Tgt Ion:276 Resp: 52107

Ion Ratio Lower Upper

276 100

138 22.7 25.6 38.4#

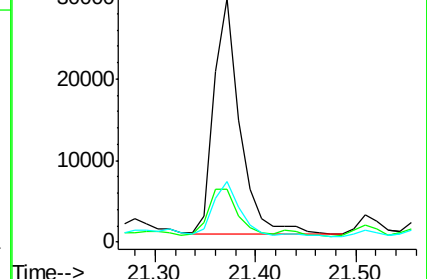
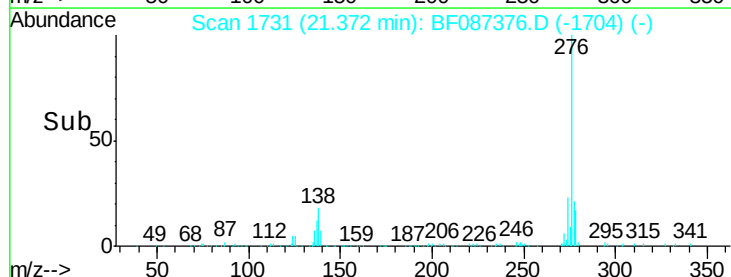
277 24.6 20.5 30.7

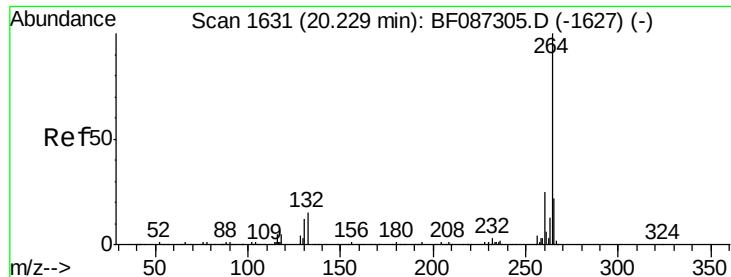


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

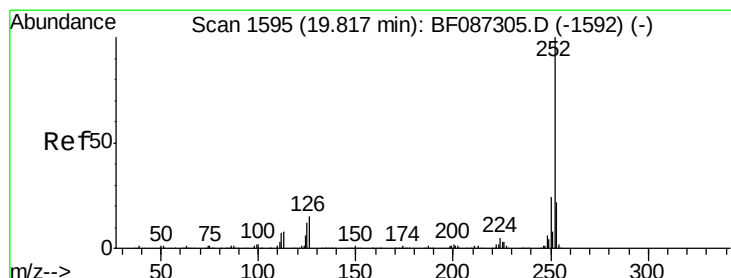
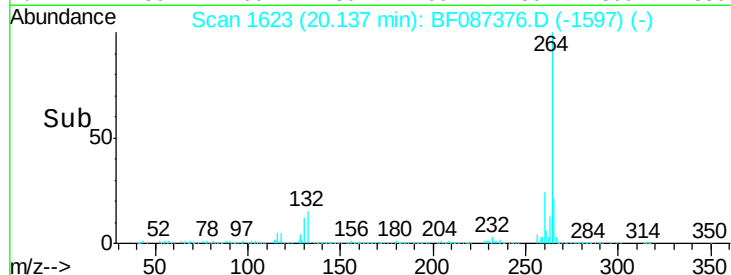
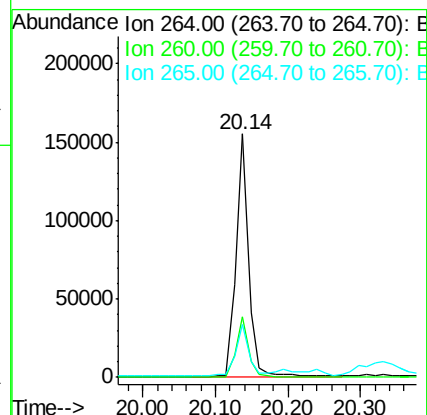
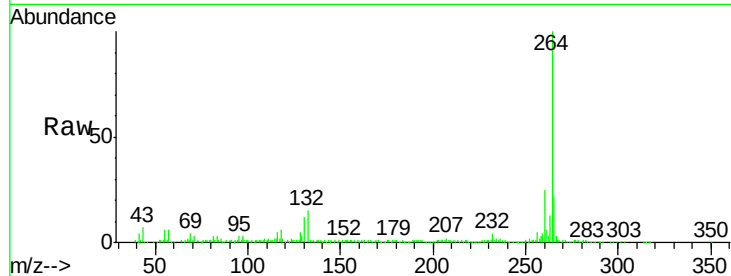




#86
Perylene-d12
Concen: 20.00 ng
RT: 20.14 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

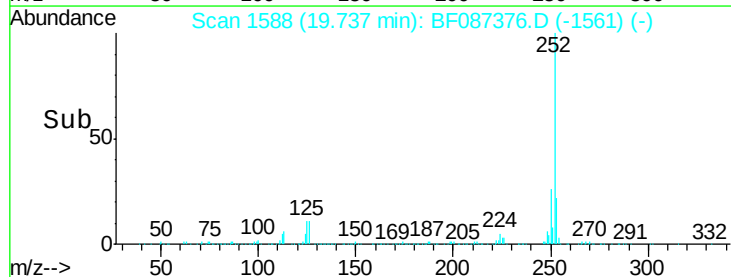
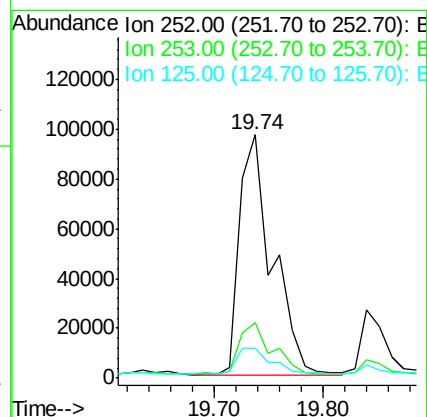
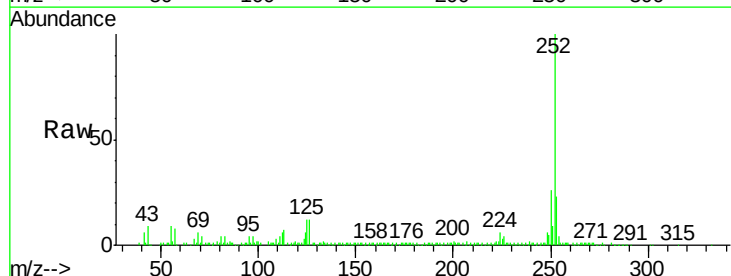
Instrument :
BNA_F
ClientSampleId :
E-4(12.5-13)

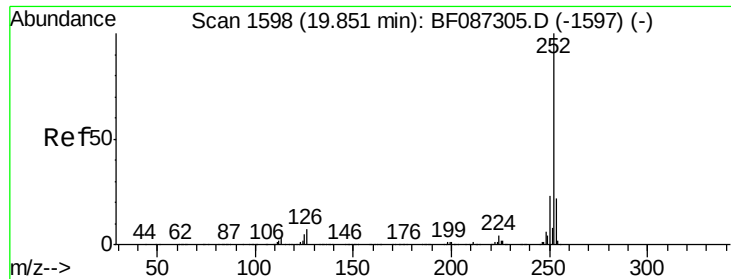
Tgt Ion:264 Resp: 186202
Ion Ratio Lower Upper
264 100
260 24.7 19.5 29.3
265 21.8 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 16.95 ng
RT: 19.74 min Scan# 1588
Delta R.T. 0.01 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Tgt Ion:252 Resp: 201066
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 12.2 11.4 17.0

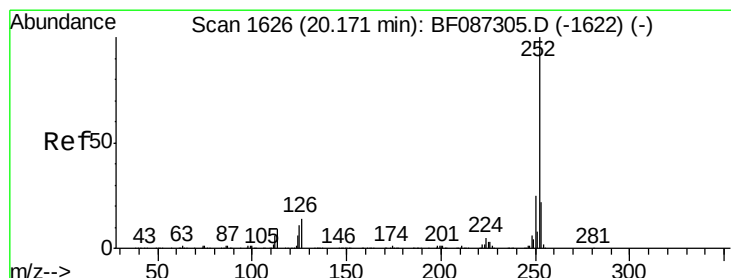
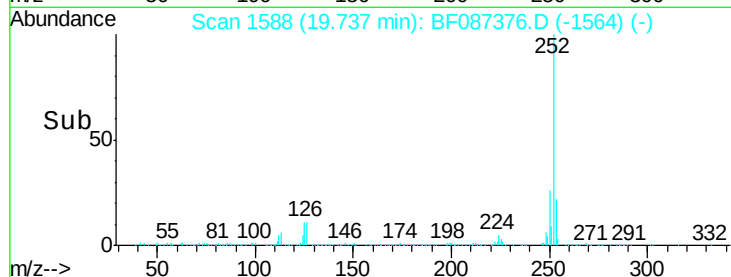
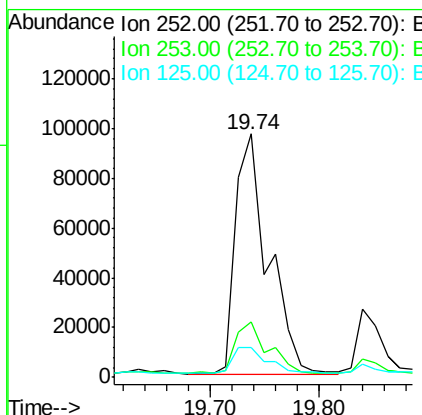
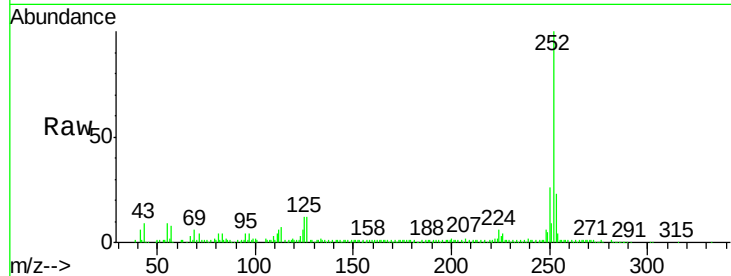




#88
Benzo(k)fluoranthene
Concen: 19.69 ng
RT: 19.74 min Scan# 1588
Delta R.T. -0.02 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

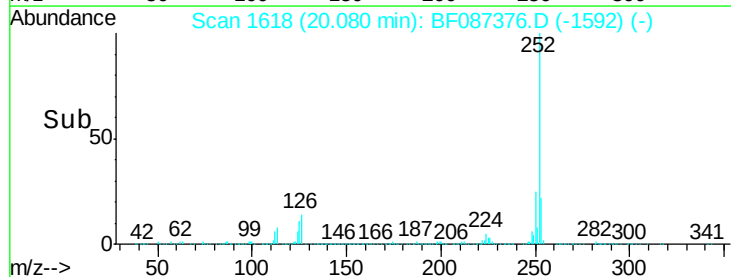
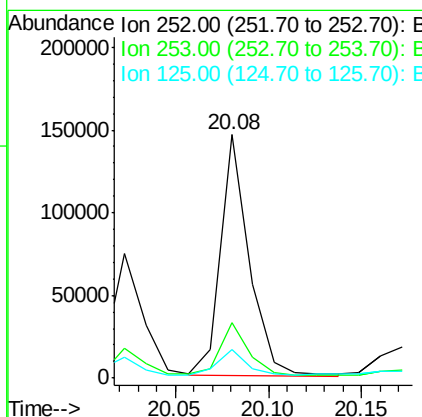
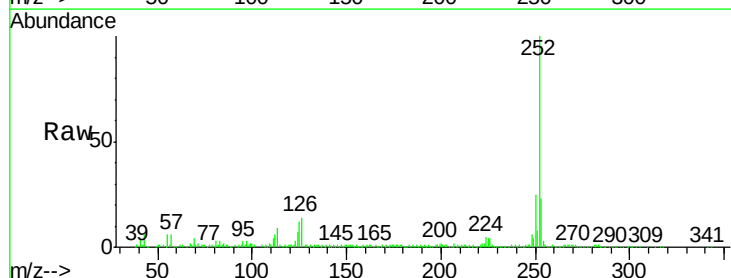
Instrument :
BNA_F
ClientSampleId :
E-4(12.5-13)

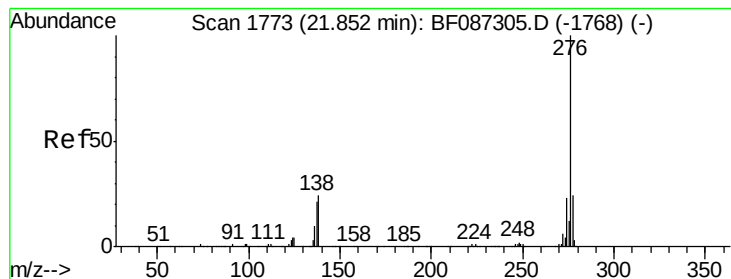
Tgt Ion:	252	Resp:	201066
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	12.2	9.1	13.7



#89
Benzo(a)pyrene
Concen: 15.38 ng
RT: 20.08 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Tgt Ion:	252	Resp:	157777
Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	12.0	9.0	13.6





#91

Benzo(g,h,i)perylene

Concen: 6.35 ng

RT: 21.73 min Scan# 1762

Delta R.T. 0.01 min

Lab File: BF087376.D

Acq: 25 May 2016 17:18

Instrument :

BNA_F

ClientSampleId :

E-4(12.5-13)

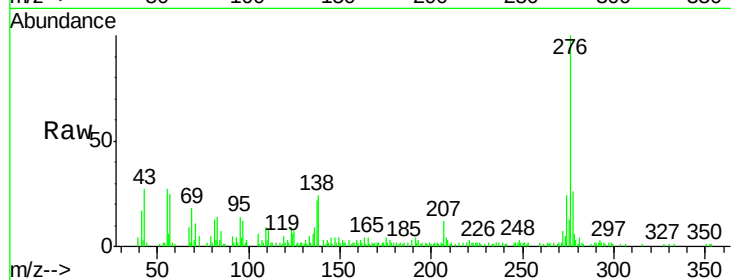
Tgt Ion:276 Resp: 54797

Ion Ratio Lower Upper

276 100

277 26.3 19.6 29.4

138 24.0 23.6 35.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

